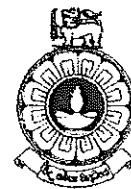


The Open University of Sri Lanka
 Faculty of Engineering Technology
 Department of Agricultural and Plantation
 Engineering



Index number

Study Programme	: Bachelor of Industrial studies Honours in Agriculture
Name of the Examination	: Final Examination
Course Code and Title	: AGI6550/AEI6250 Advanced biotechnology
Academic Year	: 2019/2020
Date	: 03 rd October 2020
Time	: 09:30-12:30 hrs

SECTION 2: Answer any four (04) questions.

1. Write an essay on ' Manufacturing Value-Added Products from Agricultural and Food Processing Wastes' (25 marks)
2. Explain the different categories of bio pesticides (25 marks)
3. (a) What is meant by 'Somaclonal variation'? (5 marks)
 (b) Explain the application of Somaclonal variation in crop improvement. (20 marks)
4. (a) Explain the principle behind single cell and suspension cultures. (10 marks)
 (b) Discuss the importance of single cell culturing for crop improvement. (15 marks)
5. Discuss the applications of Biotechnology and its effect on Biodiversity. (25 marks)
6. "Genetic modifications can be sued to improve the crop productivity". Critically evaluate the statement. (25 marks)

